# PATENT COOPERATION TREATY



INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

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#### **PCT**

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT** 

(PCT Rule 71.1)

Date of Mailing

14 APR 2005

(day/month/year) Applicant's or agent's file reference IMPORTANT NOTIFICATION Priority date (day/month/year) International filing date (day/month/year) International application No. 20 December 2002 (20.12.2002) 19 December 2003 (19.12.2003) PCT/US03/40341 Applicant EXXONMOBIL CHEMICAL PATENTS INC.

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the 3. report (but not of any annexes) and will transmit such translation to those Offices.

#### REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

> ACKNOWLEDGED PATENT LECAL ASSISTANT GROUP G. M. CARROLL

> > APR 1 8 2005

Mail Stop PCT, Attn: IPEA/ US Commissioner for Patents

P.O. Box 1450 Alexandria, Virginia 22313-1450 BAL Authorized officer

Telephone No. (571) 272-1700

Name and mailing address of the IPEA/USie

Roberto Rabago

Facsimile No. (703) 305-3230 Form PCT/IPEA/416 (July 1992)



# **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
2003B133B	International filing date (day/mon	th/year) Priority date (day/month/year)
International application No.	International filing date (ady/mon	
PCT/US03/40341	19 December 2003 (19.12.2003)	20 December 2002 (20.12.2002)
International Patent Classification (IPC)	or national classification and IPC	
IPC(7): C08F 236/02, 236/08 and US C	1.: 526/337,339	
Applicant		
EXXONMOBIL CHEMICAL PATENT	S INC.	
This international preliming     Examining Authority and	nary examination report has bee is transmitted to the applicant a	
2. This REPORT consists of	a total of <u>3</u> sheets, including	this cover sheet.
which have been ame before this Authority	ended and are the basis for this (see Rule 70.16 and Section 60	, sheets of the description, claims and/or drawings report and/or sheets containing rectifications made 07 of the Administrative Instructions under the PCT).
These annexes consist of		
3. This report contains indic	ations relating to the following	items:
I Basis of the rep	oort	
II Priority		
III Non-establishm	nent of report with regard to no	velty, inventive step and industrial applicability
IV Lack of unity of	of invention	
V Reasoned state applicability; c	ment under Article 35(2) with r itations and explanations support	egard to novelty, inventive step or industrial rting such statement
VI Certain docum	ents cited	
VII Certain defects	in the international application	
VIII Certain observ	ations on the international appli	cation
•		
Date of submission of the demand	Date	e of completion of this report
16 July 2004 (16.07.2004)	31 M	farch 2005 (31.03.2005)
Name and mailing address of the IPEA	/US Auth	porized officer
Mail Stop PCT, Attn: IPEA/ US Commissioner for Patents	Rob	porized officer perto Rabago  Many  Many
P.O. Box 1450 Alexandria, Virginia 22313-1450	Tele	phone No. (571) 272-1760
Facsimile No. (703) 305-3230		·

Form PCT/IPEA/409 (cover sheet)(July 1998)



## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International app	on No.
PCT/US03/40341	

I.	Basis	s of the report
		regard to the elements of the international application:*
		the international application as originally filed.
	M	the description:
	لكا	pages 1-104 as originally filed
		pages NONE , filed with the demand
		pages NONE, filed with the letter of
	$\boxtimes$	the claims:
	دے	pages NONE , as originally filed
		pages NONE , as originally ince pages NONE , as amended (together with any statement) under Article 19
		pages NONE , filed with the demand , filed with the letter of 30 November 2004 (30.11.2004)
		pages 105-121 , filed with the letter of 30 November 2004 (30.11.2004)
•		
	$\triangle$	the drawings:
		pages 1-6, as originally filed pages NONE, filed with the demand
		pages NONE, filed with the letter of
		the sequence listing part of the description:
	ш	pages NONE as originally filed
		A SOME TILED WITH THE DETINATION OF THE PROPERTY OF THE PROPER
		NOME THEO WID THE RULL OF THE PROPERTY OF THE
2.	. Witl	h regard to the language, all the elements marked above were available or furnished to this Authority in the
	_	th regard to the language, an the elements marked above were so therwise indicated under this item.  uage in which the international application was filed, unless otherwise indicated under this item.  see elements were available or furnished to this Authority in the following language which is:
	Thes	se elements were available of furnished to this Authority in the following stages and analysis and a search (under Pule 23, 1/h))
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
		the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination(under Rules
		55.2 and/or 55.3).
3.	. Wit	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the mational preliminary examination was carried out on the basis of the sequence listing:
	inter	
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
		international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
4	. 🗵	The amendments have resulted in the cancellation of:
		the description, pages NONE
	•	the claims, Nos. 71
		the drawings, sheets/fig NONE
_		This report has been established as if (some of) the amendments had not been made, since they have been considered to go
5		the displaying as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
*	Ronl.	The state of the second of the
*	* Any	ort as "originally filed" and are not annexed to this report since may be a solution and annexed to this report.  replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.



International app n No. PCT/US03/4034

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
STATEMENT						
Novelty (N)	Claims 1	-70	YES			
noversy (1.7)	Claims 1	NONE	NO			
0. (10)	Claims 1	-70	YES			
Inventive Step (IS)	Claims 1		NO			
Industrial Applicability (IA)	<b>.</b>		YES			
	Claims 1		NO			
3: Calfee et al. (US 2,534,698)  laims 1-70 meet the criteria set out in PCT Article polymer which has the required g'vis.avg. Each of substantially free of long chain branching"; howeverein contain the claimed value of g'vis.avg. Further olymers are sufficiently different from those descriptions of the claimed properties of the contain the claimed properties.	ver, the reference rmore, the methor ribed in the cited can be found.	e disclosures contain no indication the ods described in the specification for references that no clear basis for containing the containing t	at the polymers described obtaining the claimed ncluding that the reference			
an be made or used in industry.						
NEW CITATIONS						
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